- 3 -

## REVISED LISTING OF CLAIMS:

1. (Cancelled) A method of making an adhesive binder strip having a reduced transverse curl, said method comprising:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate; cooling the layer of molten adhesive so that the layer is in a solid state; and subsequent to the cooling and prior to application of the binder strip to a stack to be bound, mechanically deforming a surface of the layer of adhesive to a degree such that curling of the binder strip along the transverse axis is substantially reduced.

2. (Currently Amended) An adhesive binder strip <u>having reduced transverse curl</u> made in accordance with the <u>following</u> method of Claim 1:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate, substantially along a full length of the substrate along the longitudinal axis;

cooling the layer of molten adhesive so that the layer is in a solid state; and subsequent to the cooling and prior to application of the binder strip to a stack to be bound, mechanically deforming a surface of the layer of adhesive to a degree such that curling of the binder strip along the transverse axis is substantially reduced.

- 3. (Cancelled) The method of Claim 1 wherein the mechanically deforming includes applying multiple grooves to the surface of the layer of adhesive.
- 4. (Currently Amended) An The adhesive binder strip made in accordance with the method of Claim 2 wherein the mechanically deforming includes applying multiple grooves to the surface of the layer of adhesive.
- 5. (Cancelled) The method of Claim 3 wherein the multiple grooves are applied in a direction substantially parallel to the longitudinal axis of the binder strip.

-4-

6. (Currently Amended) An adhesive binder strip for binding a stack of sheets comprising: an elongated substrate having a longitudinal axis and a transverse axis normal to the longitudinal axis; and

a layer of heat activated adhesive disposed on a surface of the substrate <u>substantially</u> along a full length of the <u>substrate</u>, with the layer having an exposed surface containing <u>mechanical</u> deformities of a sufficient magnitude to substantially reduce curling of the binder strip along the <u>longitudinal transverse</u> axis.

- 7. (Original) The adhesive binder strip of Claim 6 wherein the mechanical deformities include a multiplicity of grooves formed in the exposed surface.
- 8. (Original) The adhesive binder strip of Claim 7 wherein the grooves extend at least 20% of the way through the total thickness of the adhesive layer.
- 9. (Original) The adhesive binder strip of Claim 8 wherein the grooves are disposed in directions substantially parallel to the longitudinal axis.
- 10. (Original) The adhesive binder strip of Claim 6 wherein the mechanical deformities include a multiplicity of punctures in the exposed surface.
- 11. (Cancelled) A method of binding a stack of sheets using a binding machine, said method comprising:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate; cooling the layer of molten adhesive so that the adhesive layer is in a solid state; mechanically deforming an exposed surface of the layer to an extent such that curling of the substrate about the transverse axis is substantially reduced, thereby forming a binder strip; and

subsequent to the mechanically deforming, applying the binder strip to a stack of sheets using a binding machine.

- 5 -

12. (Currently Amended) A binder strip applied to a stack of sheets using a binding machine and formed in accordance with the following method of Claim 11 comprising:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate substantially a full length of the substrate along the longitudinal axis;

cooling the layer of molten adhesive so that the adhesive layer is in a solid state;

subsequent to the cooling, mechanically deforming an exposed surface of the layer to
an extent such that curling of the substrate about the transverse axis is substantially reduced,
thereby forming a binder strip; and

subsequent to the mechanically deforming, applying the binder strip to a stack of sheets using a binding machine.

13. (Cancelled) A method of making an adhesive binder strip having a reduced transverse curl, said method comprising:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate; cooling the layer of molten adhesive so that the adhesive layer is in a solid state; and subsequent to the cooling, forming a multiplicity of grooves in an exposed surface of the adhesive layer.

14. (Currently Amended) A binder strip <u>having reduced transverse curl and made in</u> accordance with the <u>following</u> method of <u>Claim 13</u> comprising:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate substantially a full length of the substrate along the longitudinal axis;

cooling the layer of molten adhesive so that the adhesive layer is in a solid state; and subsequent to the cooling, forming a multiplicity of grooves in an exposed surface of the adhesive layer.

-6-

15. (Cancelled) A method of making an adhesive binder strip having a reduced transverse curl, said method comprising:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate; cooling the layer of molten adhesive so that the adhesive layer is in a solid state; and subsequent to the cooling, forming a multiplicity of punctures in an exposed surface of the adhesive layer.

- 16. (Cancelled) A binder strip made in accordance with the method of Claim 15.
- 17. (Cancelled) A method of making an adhesive binder strip having a reduced transverse curl, said method comprising:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate; cooling the layer of molten adhesive so that the adhesive layer is in a solid state; and subsequent to the cooling, forming a multiplicity of grooves in an exposed surface of the adhesive layer, with the grooves extending at least 20% of the way through the thickness of the adhesive layer.

18. (Currently Amended) A binder strip having a reduced transverse curl and made in accordance with the following method of Claim 17 comprising:

providing an elongated substrate having a longitudinal axis and transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over a surface of the substrate, substantially along a full length of the substrate along the longitudinal axis;

cooling the layer of molten adhesive so that the adhesive layer is in a solid state; and subsequent to the cooling, forming a multiplicity of grooves in an exposed surface of the adhesive layer, with the grooves extending at least 20% of the way through the thickness of the adhesive layer.

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-7-

19. (Currently Amended) An adhesive binder strip for binding a stack of sheets comprising: an elongated substrate having a longitudinal axis and a transverse axis normal to the longitudinal axis; and

a layer of heat activated adhesive disposed on a surface of the substrate and extending substantially the full length of the substrate along the longitudinal axis, with the layer having a multiplicity of grooves formed in an exposed surface which extend at least 20% of the way through a thickness of the layer of adhesive.

20. (New) An adhesive binding member for binding an edge of a stack and having reduced transverse curl, said binding member made in accordance with the following method:

providing a substrate having an elongated region for receiving an adhesive, said elongated region extending substantially along a full length of the edge of a stack bound by the binding member, with said elongated region having a longitudinal axis and a transverse axis normal to the longitudinal axis;

applying a layer of molten, heated-activated adhesive over substantially all of the elongated region of the substrate;

cooling the layer of molten adhesive so that the layer is in a solid state; and subsequent to the cooling and prior to application of the binder member to a stack to be bound, mechanically deforming a surface of the layer of adhesive to a degree such that curling of the binder member along the transverse axis is substantially reduced.

- 21. (New) The adhesive binding member of Claim 20 wherein the mechanically deforming includes applying multiple grooves to the surface of the layer of adhesive.
- 22. (New) An adhesive binding member for binding an edge of a stack of sheets comprising: a substrate having an elongated region for receiving an adhesive, said elongated region having a longitudinal axis and a transverse axis normal to the elongated axis, with the elongated region extending along substantially a full length of the edge of the stack after binding; and

a layer of heat activated adhesive disposed over substantially all of the elongated region, with the layer having an exposed surface containing mechanical deformities of Rev. 02/14/01

. -8-

sufficient magnitude to substantially reduce curling of the binding member along the transverse axis with the mechanical deformities being created when the adhesive is in a substantially non-molten state.

- 23. (New) The adhesive binding member of Claim 22 wherein the mechanical deformities include a multiplicity of grooves formed in the exposed surface.
- 24. (New) The adhesive binding member of Claim 23 wherein the grooves extend at least 20% of the way through the total thickness of the adhesive layer.
- 25. (New) The adhesive binding member of Claim 24 wherein the grooves are disposed in directions substantially parallel to the longitudinal axis.
- 26. (New) The adhesive binder strip of Claim 22 wherein the mechanical deformities include a multiplicity of punctures in the exposed surface.

Respectfully submitted,

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